Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/26/2018 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125341	0	1.01	125445	1.02
Blue	F	SSC	125000	125917	0	1.47	126656	1.40
Blue	E	FITC	16596	16224	-3	2.76	351	20.45
Blue	D	PE	29392	28849	-2	1.81	628	15.72
Blue	B	PerCP-Cy5-5	38531	38592	0	3.88	1175	21.59
Blue	A	PE-Cy7	26351	26476	0	7.20	643	43.61
Red	C	APC	43035	42525	-2	2.59	1604	13.17
Red	A	APC-Cy7	25611	25342	-2	2.67	873	12.71
Violet	B	V450	8803	8476	-4	3.57	465	14.15
Violet	A	V500	32560	32404	-1	3.29	752	10.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20462	4.00	605	8	N/A	N/A	Pass
Blue	F	SSC	57303	0.98	566	11	N/A	N/A	Pass
Blue	E	FITC	62	68.71	553	3	0.0194	207	Pass
Blue	D	PE	130	55.17	553	4	0.1516	325	Pass
Blue	B	PerCP-Cy5-5	224	53.09	657	6	0.0082	93	Pass
Blue	A	PE-Cy7	128	104.65	713	8	0.0096	20	Pass
Red	C	APC	378	27.00	598	1	0.0200	63	Pass
Red	A	APC-Cy7	213	27.64	572	1	0.0048	754	Pass
Violet	B	V450	73	62.90	476	1	0.0416	1754	Pass
Violet	A	V500	113	33.43	487	3	0.0213	626	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.79	-32.43	1.11
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	17.00	13.60 - 20.40	N/A	N/A	29.77	30.06	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10952

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments